

PRELIMINARY AMENDMENT  
Attorney Docket Q63479

REMARKS

Entry and consideration of this Amendment are respectfully requested.

Respectfully submitted,



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**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE SPECIFICATION:**

**The specification is changed as follows:**

Page 1, after the title, insert the heading

**BACKGROUND OF THE INVENTION**

Page 2, line 13 (according to the line numbering), insert the heading

**SUMMARY OF THE INVENTION**

Page 4, line 11, insert the heading

**BRIEF DESCRIPTION OF THE INVENTION**

line 21, insert the heading

**DETAILED DESCRIPTION OF THE INVENTION**

**IN THE ABSTRACT OF DISCLOSURE:**

**The abstract is changed as follows:**

Abstract

~~Transmitting and receiving device for a multipoint-to-point network~~

~~The object of the invention is to provide a~~A synchronization procedure for a multipoint-to-point CDMA network (2), which minimizes the influence on the information transmission. Instead of interleaving communications and synchronization signals timewise, a simultaneous emission is proposed, in which the synchronization signals are superimposed on the communications signals.

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The synchronization signals are coded with a special synchronization code (6), which does not correspond to the CDMA communications code of the information signals, e.g Barker code. In addition, the synchronization signals are sent at a lower amplitude compared with the communications signals. The synchronization signals are also modulated (7) prior to sending, in particular using alternating multiplication by +1 and -1. On the receiving side (3), the synchronization signals are detected by demodulation (12; 15), correlation (13; 16) and subsequent accumulation. The transmission capacity for the communications signals is maximized by this procedure and the influence of the synchronization signals on the communications signals minimized.

(Fig. 1)